MICRO GENERAL®

Model # 75705

Rate Computing Scale

Operation Manual

Revision 1.0

April 14, 2005

ADVANTUS

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⚠ WARNING

Use only the recommended AC adapter (Advantus item # 75700). Other adapters may cause damage (AC adapter is optional).

Internal service to this product should be performed by a qualified person only. There are no user serviceable parts inside.

⚠ CAUTION

Avoid installing the scale in areas of direct sunlight and high humidity. Also avoid drafts, vibrations and dusty conditions.

Do not mix the type of batteries. Replace all batteries at the same time.

If the scale is not to be used for a long period of time, remove all batteries from the battery compartment to avoid leakage which may cause damage to the instrument.

To extend the life of your digital scale, do not drop items to be weighed onto the platform or overload the scale beyond its rated capacity. Shock-loading and overloading may damage the load cell and void the warranty.

NOTICE:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his/her own expense.

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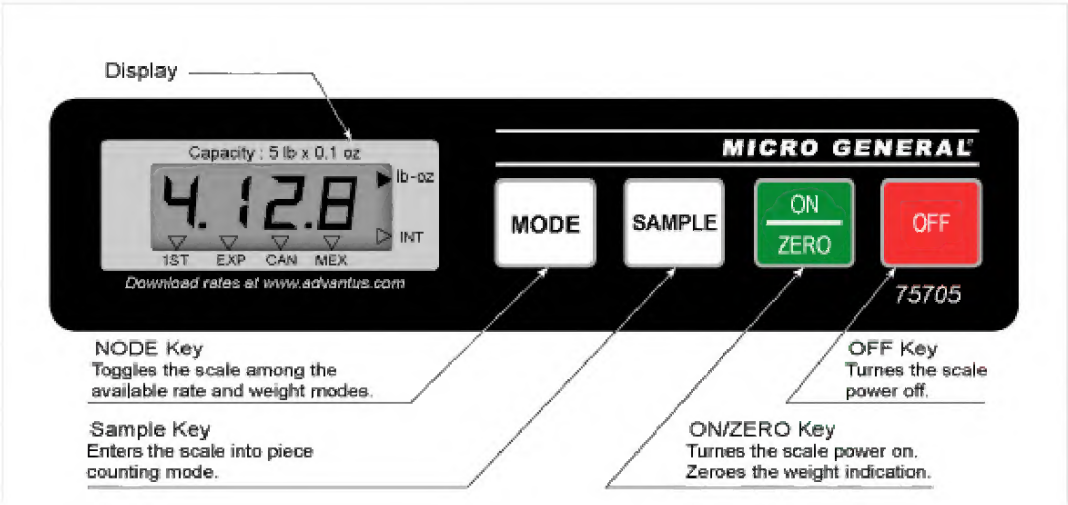
Getting Started

1. Install 6-AA size alkaline batteries in the battery compartment located underneath the scale.

   For AC operation: Plug the optional AC Adapter into the scale first, then into an AC outlet. Optional AC adapter, Item #75700, may be purchased from your Micro General reseller or by visiting www.advantus.com

2. Place the scale on a stable and firm table.
3. Your scale is ready to use right out of the box. Current postal rates are already loaded for your convenience
4. Press the ON/ZERO key. All segments will briefly appear, followed by the version code and finally "0.0". The scale is now ready for use.

Keyboard and Display Description



Display Indication	Meaning
1ST	Indicates that the scale is displaying the rate for First Class/Priority Mail. The scale automatically switches to Priority Mail for items weighing more than the First Class weight limit.
EXP	Indicates that the scale is displaying the Express Mail PO to Addressee rate.
CAN	Indicates that the scale is displaying the Airmail Letter rate to Canada.
MEX	Indicates that the scale is displaying the Airmail Letter rate to Mexico.
INT	Indicates that the scale is displaying the Airmail Letter rate to countries other than Canada and Mexico.

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Operation

How to obtain the proper weight for a letter or package:

1. Before weighing an item, make sure the scale shows a zero weight indication. If it does not, remove all items from the platter and press the **ON/ZERO** key.
2. Place the item on the center of the scale's platter and allow the weight indication to stabilize.
3. Select the desired class of mail by pressing the **MODE** key.
4. After selecting the desired mail class the correct postage amount will be displayed.

- Auto Shutdown – The scale will automatically turn off after approximately two minutes.

Counting/Sample operation:

1. At any time, press the **SAMPLE** key. The scale displays the message "10 0". This is the sample size.
2. Add ten identical pieces. The scale shows "10-".
3. Press the **SAMPLE** key again. If the items are heavy enough, the scale is in pieces mode and displays ten pieces with no annunciator. If there is a sampling error, the scale briefly shows "Add" then updates the sample size first to 25 pieces then to 50 pieces. If the operation fails for 50 pieces, then the parts are too light for the scale to process at all.

Message	Explanation
"o o o o"	Indicates that the weighing capacity of the scale has been exceeded.
bAtt	Indicates that the batteries need to be replaced.
Add	Indicates that there is not enough internal resolution to calculate the unit weight of an item. This means that the items you are counting are too light for the scale to process at all.
Lo	Indicates that the unit weight of the items you are sampling is too light for the scale to process accurately.
O L	Indicates that the item on the scale exceeds the weight for the class of mail.
U L	Indicates that the item on the scale is too light for the class of mail.
Err 2	The scale's calibration information has been lost. Recalibrate scale.
"- - - -"	Indicates that the weight on the scale is negative. Press the ON/ZERO key.

Possible Scale Operation Error Messages

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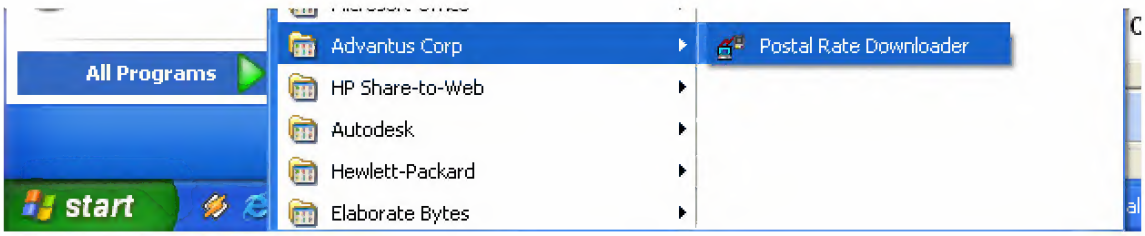
Rate Updates

Your 75705 scale is ready to use right out of the box. Current postal rates are already loaded for your convenience. You can download the latest rates at www.advantus.com. Be sure to save the included serial cable for future rate updates.

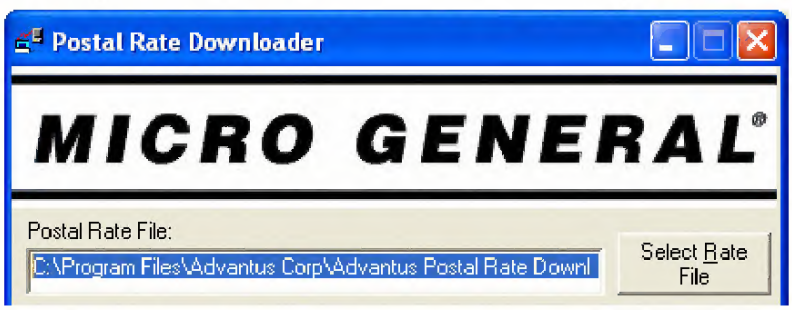
Minimum System Requirements:

Component	Requirement
Operating System	Microsoft Windows 98SE, 2000, Me or later, Windows NT version 4.0 or Windows XP
Processor	Pentium Class Processor (or equivalent)
Memory	64 MB RAM
Monitor	256-colour or higher SVGA monitor (800 X 600 resolution or higher)
Other	• Mouse • Internet Connection (required to download software) • 5 MB hard-disk space • Available COM port with DB9 Connector

1. Visit www.advantus.com to obtain the latest postal rates and update software. Save the software to your desktop and double-click the file to install the software.
2. Turn off the scale.
3. Connect your scale to an available COM port on your PC using the cable provided.
4. Launch the software by selecting Start, All Programs, Advantus Corp and then Postal Rate Download.BIN.



5. After launching the program press the Select Rate File button.



6. Browse to the rate file which is stored in the following folder by default C:\Program Files\Advantus Corp\Advantus Postal Rate Downloader\

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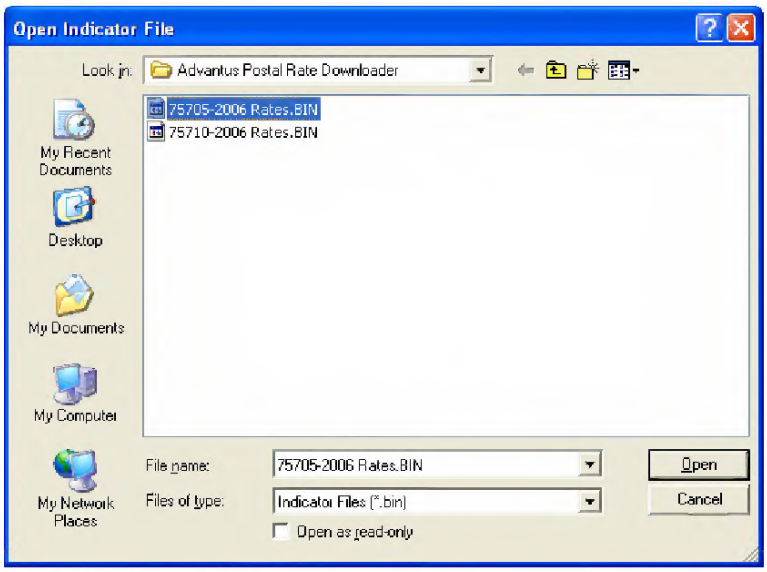
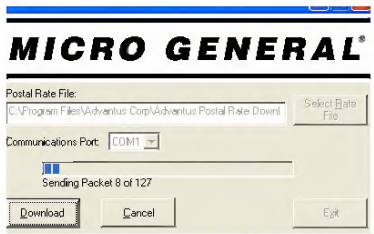
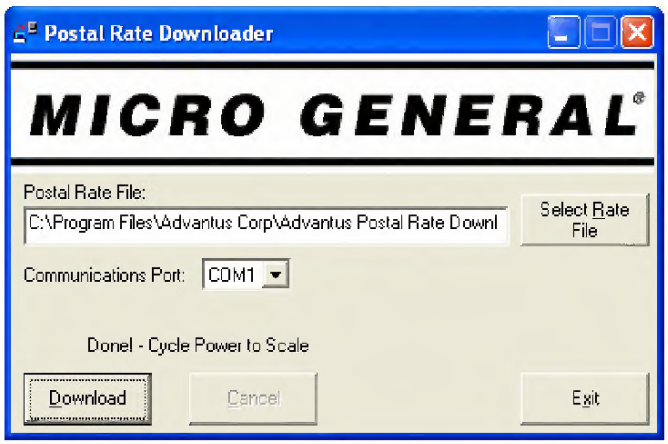
7. Select the rate file which will start with the scale model number in the file name and use the extension .BIN.



8. Select the rate file which will start with the scale model number in the file name and use the extension .BIN.
9. Select the COM port which the scale is connected to.
10. Press ON and hold until "- - - -" is displayed.
11. Press Download to download rate file. The download progress will be displayed. Do not power down the scale or PC until the transfer is complete.



12. After transfer is complete cycle the power on the scale. Your scale is now ready to use with the latest postal rates.



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Specifications

Capacity:
5 lb x 0.1 oz

Construction:
Housing: Black ABS
Sub-Platform: Metal
Platter: Black ABS
Feet: Non-skid Hard Rubber

Display:
4 Character, 7-Segment LCD
7 Annunciators

Keypad:
4-key Tactile Dome Type

Over Capacity Annunciation:
103% of Full Scale Capacity

Main Power Source:
6-AA size alkaline batteries

Optional Power Source:
AC Adapter, 9 VDC, 100 mA

Auto Power Off Period:
Fixed at two minutes

Weight:
Net Weight: 2.0 lb (0.9 kg)
Shipping Weight: 2.5 lb (1.1 kg)

Calibration

Your 75705 scale is ready to use right out of the box. There is no need to calibrate the scale unless you feel that the scale has become inaccurate. It is a good idea to check the calibration of your scale from time to time with a precision test weight. Advantus Corporation recommends that you perform a new calibration on your digital scale at least once a year. The 75705 must be calibrated with a 5 pound precision test weight.

To calibrate the scale:

1. Remove all items from the platter and turn the scale OFF. Press and hold the **SAMPLE** key while turning the scale back ON.
2. The scale shows "CAL" briefly then "ZERO".
3. Press the **ZERO** key. The scale then shows "ADD".
4. Place the 5 pound test weight on the platter and wait for scale to show "SAVE".
5. Press the **MODE** key to save the 5 pound calibration value.
6. Once the 5 pound calibration value has been saved, the scale shows an "END" message.
7. You must now turn the scale OFF. Then turn it back ON without pressing any other keys. Your 5005-2 is now calibrated and ready for use.

MESSAGE	MEANING / POSSIBLE SOLUTION
Shows "Err" Continuously	The scale is unstable. Make sure you are not violating one of the "Caution" items. Otherwise, the scale may require service.
Shows "Add" Continuously	The scale is not detecting weight internally. Possible damage to the load cell. Scale requires service.

Possible Calibration Error Messages

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Warranty and Service Information

Seller warrants that the 75705 Rate Computing Scale will perform to written specifications, drawings, and other descriptions made by the manufacturer, including any modifications thereof. The Seller warrants the goods against faulty workmanship and defective materials. If any goods fail to conform to these warranties, Seller will, as its sole and exclusively liability hereunder, repair or replace such goods if they are returned within the following warranty period:

Ninety (90) days from the date of shipment from manufacturer.

These warranties are made upon the express condition that:

1) Advantus Corporation is given prompt written notice upon discovery by Buyer of such non-conformity, with a detailed explanation of the alleged deficiencies;

2) Such goods are returned to the Seller at the expense of the Buyer;

3) Examination of such goods by Seller discloses that the nonconformity actually exists and was not caused by accident, misuse, neglect, alteration, improper installation, improper or unauthorized repair, or improper testing, and

4) Such goods have not been modified, altered, or changed by any person other than the Seller or its duly authorized repair agents.

5) Advantus Corporation will have a reasonable time to repair or replace such goods.

THESE WARRANTIES EXCLUDE ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, ORAL OR WRITTEN, INCLUDING WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SELLER WILL NOT IN ANY EVENT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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